Notice of Allowability	Application No.	Applicant(s)
	10/649,561	MATSUMOTO ET AL.
	Examiner	Art Unit
	Chen-Wen Jiang	3744
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>response filed 9/24/2004</u> .		
2. The allowed claim(s) is/are <u>4-6,8 and 9</u> .		
3. The drawings filed on <u>26 August 2003</u> are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b)		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 08), 7. ☐ Examiner's Amendr	e

Application/Control Number: 10/649,561 Page 2

Art Unit: 3744

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Claims 4-6 and 8-9 have been allowed because prior art of record fails to disclose or suggest a refrigerant circuit comprising, in combination, an intermediate cooling for radiating heat of the refrigerant discharged from the first compression element by using the gas cooler, a first heat exchanger for exchanging heat between refrigerant after the cooler and the refrigerant after the evaporator, a second heat exchanger for exchanging heat between the oil in the oil return loop and refrigerant after the first heat exchanger and a refrigerant injection between throttling means.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chen-Wen Jiang whose telephone number is (571) 272-4809. The examiner can normally be reached on Tuesday-Friday from 8:00 to 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on (571) 272-4808. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/649,561

Page 3

Art Unit: 3744

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chen-Wen Jiang Primary Examiner